

# New Jersey Department of Transportation

## FY 2002 - 2003 Study and Development Program

ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

### Bedminster Bicycle Path

HP01011 FY01011

#### LOCATION/DESCRIPTION

Robertson Drive intersection with Schley Mountain Road to Route 287 Ramp 6M, bicycl path

This project will provide for Section 4 of the bicycle path in Bedminster. This section is approximately 0.26 miles in length. This project is currently under design.

The federal FY 2001 TCSP Grants provided funding for this project. The funding was reduced by 22% under Section 1403 of the FY 2001 Omnibus Consolidated Appropriations Act. This project has been allocated \$468,717.

SPONSOR: Bedminster Township

COUNTY: Somerset

MILEPOSTS: N/A

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	LFA	2002

### Clinton Avenue Bridge

NS9903 NS9903

#### LOCATION/DESCRIPTION

This project consists of the replacement of the Clinton Avenue Bridge over Green Brook which is structurally deficient and functionally obsolete. The proposed bridge will carry a roadway consisting of 2 3.7 meter lanes, 2 2.4 meter shoulders, and 2 2.4 meter sidewalks. The vertical alignment of the bridge will be improved. This structure will be bicycle/pedestrian compatible.

The proposed bridge will consist of a two span superstructure consisting of rolled steel beams with a reinforced concrete deck. The superstructure will be founded on reinforced concrete spread footings. Aesthetic treatments (I.e. landscaping, coloring/tinting of exposed concrete surfaces, etc.) will be utilized so that the bridge will better fit within its surroundings.

SPONSOR: Somerset County

COUNTY: Somerset Union

MILEPOSTS: N/A

STRUCTURE NO.: 18M0901

MPO	Phase	Year
NJTPA	LFSD	2002

# New Jersey Department of Transportation

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ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

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<b>CR 533</b>	<b>County Route 533 Bridge</b>	<b>NS0003</b>	<b>NS0003</b>
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**LOCATION/DESCRIPTION**

CR 533 over Raritan River, proposed bridge rehabilitation or replacement

This structure, constructed in 1934, spans the Raritan River on CR 533 in the Borough of Manville/Township of Bridgewater, Somerset County. The bridge is functionally obsolete due to its narrow deck geometry and extremely high traffic volume ADT-27,000. The bridge has a sufficiency rating of 55.5. The County proposes to investigate rehabilitating or replacing the bridge.

SPONSOR: Somerset County

COUNTY: Somerset

MILEPOSTS: N/A

STRUCTURE NO.: 18G0702

MPO	Phase	Year
NJTPA	LFSD	2002

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<b>CR 614</b>	<b>CR 614 Bridge over North Branch of Raritan River</b>	<b>02363</b>	<b>02363</b>
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**LOCATION/DESCRIPTION**

County Bridge #18D0907 was constructed in 1924. The structure spans the North Branch of the Raritan River on County Route 614 in Bridgewater Township and Branchburg Township, Somerset County. The bridge is structurally deficient due to the poor condition of its superstructure and substructure. The bridge has a low sufficiency rating of 48.7. The County proposes to investigate rehabilitating or replacing the bridge.

SPONSOR: Somerset County

COUNTY: Somerset

MILEPOSTS: N/A

STRUCTURE NO.: 18D0907

MPO	Phase	Year
NJTPA	LFSD	2002

# New Jersey Department of Transportation FY 2002 - 2003 Study and Development Program

ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

## Geraud Avenue Bridge

NS9904    NS9904

### LOCATION/DESCRIPTION

Geraud Avenue over Green Brook, proposed replacement

This bi-county Bridge was constructed in 1904 and carries Geraud Avenue over the Green Brook. The bridge is structurally deficient due to the serious condition of its superstructure as well as a low structural evaluation rating. The bridge is also functionally obsolete due to waterway adequacy, has a sufficiency rating of 35.9, and a weight restriction of 3 tons due to the low capacity of its structural members. The County proposes to replace the existing structure with a new bridge.

SPONSOR: Somerset County

COUNTY: Somerset Union

MILEPOSTS: N/A

STRUCTURE NO.: 18M0903

MPO	Phase	Year
NJTPA	LFSD	2002

## Opie/River Road Bridge

NS9902    NS9902

### LOCATION/DESCRIPTION

Opie/River Road over South Branch of Raritan River, proposed bridge replacement

Opie/River Road over the South Branch of the Raritan River was constructed in 1921. The bridge is structurally deficient due to the poor condition of the substructure as well as a low structural evaluation rating. The bridge is also functionally obsolete due to a low structural evaluation rating and poor deck geometry. The bridge also has a low sufficiency rating of 14.6 and has a weight restriction of 10 tons. The County proposes to replace the existing bridge with a new structure.

SPONSOR: Somerset County

COUNTY: Somerset

MILEPOSTS: N/A

STRUCTURE NO.: 18C0607

MPO	Phase	Year
NJTPA	LFSD	2002

# New Jersey Department of Transportation

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ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

### West End Avenue Bridge

NS9808    NS9808

#### LOCATION/DESCRIPTION

The project will provide for the replacement of the existing structure over Green Brook which is structurally deficient and functionally obsolete. The proposed bridge will carry a roadway consisting of 2 3.5 meter lanes and 2 3.5 meter shoulders. The vertical alignment to the bridge will be improved.

The proposed bridge will consist of a two-span precast concrete arch with earth fill and a bituminous concrete surface course. The superstructure will be founded on reinforced concrete spread footings. Aesthetic treatments (i.e. landscaping, coloring/tinting of exposed concrete surfaces, etc.) will be utilized so that the bridge will better fit within its surroundings.

SPONSOR: Somerset County

COUNTY: Somerset Union

MILEPOSTS: N/A

STRUCTURE NO.: 18M0902

MPO	Phase	Year
NJTPA	LFSD	2002

### Woodfern Road Bridges

NS9901    NS9901

#### LOCATION/DESCRIPTION

Woodfern Road over South Branch of Raritan River, proposed rehabilitation or replacement

The Woodfern Road crossing of the South Branch of the Raritan River consists of three bridges in series, two through trusses (constructed in 1902) and one reinforced concrete arch (constructed in 1916). The bridges are structurally deficient and functionally obsolete. Two of the bridges received an overall condition rating of serious due to the condition of their superstructures. The third bridge is in poor condition due to the condition of its substructure. The County proposes to rehabilitate or replace one bridge, as well as rehabilitate the other two bridges.

SPONSOR: Somerset County

COUNTY: Somerset

MILEPOSTS: N/A

STRUCTURE NO.: 18B0510    18B0511    18B0512

MPO	Phase	Year
NJTPA	LFSD	2002

# New Jersey Department of Transportation

## FY 2002 - 2003 Study and Development Program

ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

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<b>22</b>	<b>Crab Brook, Drainage</b>	93151	93151
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**LOCATION/DESCRIPTION**

Vicinity of Crab Brook and North Drive, drainage improvements

Flooding of westbound Route 22 and adjacent Crab Brook in North Plainfield in the vicinity of North Drive to Watchung Avenue occurs several times a year. The flooding results from inadequate hydraulic capacities of Crab Brook and Route 22 culverts. The proposed improvements consist of deepening and widening of Crab Brook channel between North Drive and DuPont Street in North Plainfield. Crab Brook will be cleaned downstream of DuPont Street. Additional inlets and larger culverts across Route 22 at three locations would provide hydraulic capacity necessary to convey runoff from the north side of Route 22 into Crab Brook.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 38.00 - 45.30

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	FSD	2002

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<b>22</b>	<b>Park Avenue/Bonnie Burn Road</b>	9189	9189
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**LOCATION/DESCRIPTION**

Intersection at Park Avenue and Bonnie Burn Road, proposed improvements

This project will provide for proposed intersection improvements.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 47.35

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	FSD	2002
NJTPA	FSD	2003

# New Jersey Department of Transportation

## FY 2002 - 2003 Study and Development Program

ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

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<b>22</b>	<b>Somerset Pedestrian Access Improvements</b>	X185L	X185L
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**LOCATION/DESCRIPTION**

Mountain Avenue to Bridgewater Commons Mall

This project will provide for proposed pedestrian overpass structure to provide access from Somerville to the Bridgewater Commons Mall and surrounding facilities. The proposed structure will include both steps and ADA compliant ramping as required.

SPONSOR: To be determined

COUNTY: Somerset

MILEPOSTS: 34.07

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	FSD	2002

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<b>27</b>	<b>Renaissance 2000, Bennetts Lane to Somerset Street</b>	97079	97079
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**LOCATION/DESCRIPTION**

The Feasibility Assessment phase of this project will investigate the potential widening of the existing four-lane roadway to a five-lane cross section to provide a two-way center turn lane on Route 27 from Bennetts Lane to the Franklin Boulevard/Olive Avenue intersection. It will also investigate the possible reduction of the cross section from four lanes to three lanes, one travel lane in each direction with a combination center landscaped island and/or two-way center turning lane, from Franklin Boulevard/Olive Avenue to Somerset Street. Feasibility Assessment will also look into the restriping of How Lane to delineate a center left-turn lane.

SPONSOR: NJDOT

COUNTY: Middlesex Somerset

MILEPOSTS: 13.10 - 15.22

STRUCTURE NO.: 1216159

MPO	Phase	Year
NJTPA	FA	2002

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## FY 2002 - 2003 Study and Development Program

ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

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<b>28</b>	<b>Somerset County, Bicycle Improvements</b>	<b>97087</b>	<b>97087</b>
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**LOCATION/DESCRIPTION**

Foothill Road to Mountain Avenue (CR 527) and Norwood Avenue to Gaston Avenue, proposed bicycle improvements

Proposed changes in this area include restriping the two-lane section to provide for 14-foot shared lanes, with signing, as well as restriping an edge line to delineate the parking lane. In the four-lane section, it is proposed to restripe the roadway to two lanes, with shoulders on both sides of the roadway.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 2.40 - 3.80; 6.35 - 7.95

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	CD	2002
NJTPA	FA	2003

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<b>31</b>	<b>Freight Truck Study</b>	<b>02370</b>	<b>02370</b>
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**202/78/80**

**LOCATION/DESCRIPTION**

A Freight Trucking Study will be conducted on Routes 31, 202, I-78 and I-80, in Hunterdon, Warren, Somerset, and Mercer Counties.

SPONSOR: NJTPA

COUNTY: Hunterdon Warren Somerset Mercer

MILEPOSTS: N/A

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	LCD	2003

# New Jersey Department of Transportation

## FY 2002 - 2003 Study and Development Program

ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

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<b>78</b>	<b>Noise Barriers, Somerset County, I-287 to Plainfield Avenue</b>	94009	94009
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LOCATION/DESCRIPTION

Route I-287 to Plainfield Avenue, proposed noise barriers

An acoustical study and feasibility assessment will be conducted to determine locations of potential noise barriers in the vicinity of the Free Acres neighborhood along westbound I-78 between exits 40 and 41.

SPONSOR: NJDOT

COUNTY: Somerset Union

MILEPOSTS: 41.00 - 42.22

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	FA	2002
NJTPA	FSD	2003

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<b>202</b>	<b>Mine Brook Bridge</b>	98349	98349
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LOCATION/DESCRIPTION

Bridge over branch of Mine Brook, proposed rehabilitation or replacement

This project will provide for the proposed rehabilitation or replacement of existing structure.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 35.44

STRUCTURE NO.: 1809153

MPO	Phase	Year
NJTPA	FSD	2002



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## FY 2002 - 2003 Study and Development Program

ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

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<b>202</b>	<b>Somerset Regional Center Needs Analysis</b>	<b>99376</b>	<b>99376</b>
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**LOCATION/DESCRIPTION**

Old York Road to I-287, needs assessment

An assessment will be made of operational and other needs on Route 202, especially those supporting the development of the Somerset County regional center. Included in the assessment will be locations identified in the regional center transportation study, including First Avenue, Commons Way, and Bridgewater to Somerville.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 17.60 - 26.00

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	CD	2002
NJTPA	CD	2003

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<b>202</b>	<b>Somerset/Morris Drainage (3 locations)</b>	<b>93164A1</b>	<b>93164A1</b>
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**LOCATION/DESCRIPTION**

Vicinity of Far Hills Road/Sunny Branch Road; vicinity of Municipal Complex; vicinity of Harter Road, proposed drainage improvements

At Sunny Branch Road, the proposed solution includes clearing the culvert, installing drainage upgrades and regarding the outlet channel. At the Municipal Complex, the proposed solution includes replacement of the composite culvert headwall configuration, installation of a longitudinal system along the southbound shoulders and construction of a rip-rap lined outlet channel to Mine Brook. At the Harter Road location, the proposed alternative includes installation of nine "shallow" catch basins, longitudinal system, cross drains, outlet pipe and conduit outlet protection.

SPONSOR: NJDOT

COUNTY: Somerset Morris

MILEPOSTS: 32.95; 36.50; 43.20

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	FSD	2002

# New Jersey Department of Transportation

## FY 2002 - 2003 Study and Development Program

ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

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202/206	22	North Thompson Street to Commons Way	02377	02377
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### LOCATION/DESCRIPTION

A concept development will provide suggested operational and/or safety improvements in the vicinity of the intersection of Routes 202/206 and Route 22.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 24.14 - 25.50

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	CD	2002

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202/206		Somerset County	93121	93121
78/287				

### LOCATION/DESCRIPTION

Route 202/206/78/287 interchange, proposed operational improvements

This project proposes to improve regional traffic flow through the Route 202/206, I-78 I-287 interchange in the Bedminster/Bridgewater Township area. Improvements are proposed along Route 202/206 approximately between milepost 29.00 to 29.69 and along I-78 approximately between milepost 30.87 to 31.96. Improvements to I-287 are anticipated to be restricted to existing ramps; no improvements are anticipated along the I-287 mainline. In particular, this project proposes seven new ramps including a relocated ramp from I-287 northbound to I-78 eastbound, six new bridges, widening or replacement of approximately four existing bridges and roadway reconstruction and widening. The project also proposes extension of existing culverts, construction of approximately six retaining walls, two new traffic signals and anticipates the need for noise walls.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 202/206: 29.0 - 29.69; 78: 30.87 - 31.96

STRUCTURE NO.: 1808164

MPO	Phase	Year
NJTPA	FSD	2002

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ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

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202/206	28	Somerville Circle, Bicycle/Pedestrian Improvements	97086	97086
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### LOCATION/DESCRIPTION

The proposed project would include a four-foot right shoulder around the circle with striping at intersection crossings in order to eliminate weaving conflicts for vehicular and bicycle traffic. Proposed sidewalk links and signing would provide for pedestrian crossings in this area, as well as installation of "Share the Road" signs as required.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 24.45 - 24.50

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	CD	2002
NJTPA	FA	2003

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206		(41) Crusers Brook Bridge	94060	94060
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### LOCATION/DESCRIPTION

Bridge over Crusers Brook, proposed replacement

This project will provide for the proposed replacement of the existing structure, which is in poor condition due to the condition of the superstructure and the inadequate deck geometry. Also, the structure is potentially scour critical, since the abutments are not founded on piles.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 61.80

STRUCTURE NO.: 1810155

MPO	Phase	Year
NJTPA	FSD	2002

# New Jersey Department of Transportation

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ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

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<b>206</b>	<b>CSX Bridge Replacement</b>	94059	94059
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**LOCATION/DESCRIPTION**

This project will provide for the proposed replacement of the existing structure. The overall condition of the existing structure is listed as poor due to the severely disintegrated concrete, severe scaling and spalling of the substructure, and severe rusting and section loss of the superstructure components.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 62.80

STRUCTURE NO.: 1810156

MPO	Phase	Year
NJTPA	FSD	2002

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<b>206</b>	<b>New Amwell Road</b>	98506	98506
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**LOCATION/DESCRIPTION**

New Amwell Road, identified safety problem

On the basis of statistical analysis, this location has been identified by the Safety Management System as having an apparent safety problem.

SPONSOR: NJDOT

COUNTY: Somerset

MILEPOSTS: 65.68

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	CD	2002
NJTPA	FA	2003

# New Jersey Department of Transportation

## FY 2002 - 2003 Study and Development Program

ROUTE/PROGRAM	Project ID Numbers	
	DB No.	TIP No.

287	Middlesex/Somerset, Raritan River Crossing Needs Analysis	9169	9169
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**LOCATION/DESCRIPTION**

**Raritan River Crossing Needs Analysis**

A study will be conducted of traffic congestion problems on I-287 in the vicinity of the Raritan River crossing between Piscataway Township, Middlesex County, and Franklin Township, Somerset County. The study area includes interchanges 4, 5, and 6 on the interstate and related traffic congestion problems on both sides of the river.

SPONSOR: NJDOT

COUNTY: Middlesex Somerset

MILEPOSTS: 8.0 - 11.49

STRUCTURE NO.: N/A

MPO	Phase	Year
NJTPA	CD	2002
NJTPA	FA	2003